



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management

### Solid Waste Section

**UNIT TYPE:**

|              |          |                       |  |               |          |                     |  |         |          |      |  |   |
|--------------|----------|-----------------------|--|---------------|----------|---------------------|--|---------|----------|------|--|---|
| Lined MSWLF  |          | LCID                  |  | YW            | <b>X</b> | Transfer            |  | Compost |          | SLAS |  | <b>COUNTY: Alamance</b><br><b>PERMIT NO.: 01-05</b><br><b>FILE TYPE: COMPLIANCE</b> |
| Closed MSWLF |          | HHW                   |  | White goods   |          | Incineration        |  | T&P     | <b>X</b> | FIRM |  |   |
| CDLF         | <b>X</b> | Tire T&P / Collection |  | Tire Monofill |          | Industrial Landfill |  | DEMO    |          | SDTF |  |   |

**Date of Site Inspection:** July 9, 2014

**Date of Last Inspection:** September 5, 2013

**FACILITY NAME AND ADDRESS:**

Coble's Sandrock, Inc. C&D Landfill  
5833 Foster Store Road  
Liberty, NC 27298

**GPS COORDINATES:** N: 35.95332 E: -79.53027

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Kent and Brenda Coble, Owners/Operators  
w. 336-565-4750  
f. 336-565-4752  
c. 336-264-4890 – Kent  
c. 336-264-4893 – Brenda  
[brendalcoble@bellsouth.net](mailto:brendalcoble@bellsouth.net)

**FACILITY CONTACT ADDRESS:**

Coble's Sandrock, Inc.  
Kent and Brenda Coble  
5833 Foster Store Road  
Liberty, NC 27298

**PARTICIPANTS**

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)  
Kent Coble, Owner/Operator - Coble's Sandrock, Inc.  
Brenda Coble, Owner/Secretary - Coble's Sandrock, Inc.  
Deanna Coble Martin, Scale House Operator - Coble's Sandrock, Inc.

**STATUS OF PERMIT:**

Permit To Operate (PTO) Phase 2 and Phase 3A issued January 20, 2012  
Permit To Construct (PTC) Phase 3B issued in conjunction with PTO  
PTO expiration date is January 30, 2014

**PURPOSE OF SITE VISIT:**

Comprehensive Inspection

**STATUS OF PAST NOTED VIOLATIONS:**

None

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**OBSERVED VIOLATIONS**

None

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may also be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

**ADDITIONAL COMMENTS**

On July 9, 2014, John Patrone met with Kent and Brenda Coble and Deanna Coble Martin to conduct a comprehensive inspection of the Coble's Sandrock, Inc. C&D Landfill on Foster Store Road in Liberty, Alamance County.

**Construction and Demolition Debris Landfill**

1. The facility is a construction and demolition debris (C&D) landfill.
2. The facility permit approves the operation of Phase 2 and Phase 3A and the construction of Phase 3B.
3. Construction has not commenced on Phase 3B although the area has been used to mine soil.
4. Ensure Attachment 2 – Conditions of Permit to Construct are met prior to operation of Phase 3B.
5. The facility permit, site plan, and operations plan were discussed.
6. The facility is in operation Monday through Thursday 7:30 am – 4:30 pm and Friday 7:30 am – 12:00 pm.
7. The facility is accepting C&D in Phase 3A.
8. The facility service area is located up to 25 miles from the landfill, although existing customers located outside the 25 mile radius are grandfathered under franchise agreement. New customers outside the 25 mile radius may replace existing customers.
9. The facility commonly receives material from: Alamance, Chatham, Durham, Guilford, Orange, Randolph, and Rockingham Counties.
10. The facility is permitted to receive C&D, inert debris, land clearing debris (LCD), and (used) asphalt.
11. The facility shall not accept yard trash.
12. The following are facility certified personnel:
  - a. Kent Coble, Certified Landfill Operations Specialist, No. LF-2000113, exp. 12/13/12 - to attend landfill operator training for recertification 2015
  - b. Brenda Coble, Certified Landfill Operations Specialist, No. LF-2000112, exp. 12/13/15
  - c. Deanna Coble Martin, Certified Landfill Operations Specialist, No. LF-2013072, exp. 11/07/16
13. The facility conducts  $\geq 4$  waste screening a month. Waste screening records were verified for September 3, 2013 through July 8, 2014.
14. Records are maintained of the amount of material received. The facility received 11,071 tons of C&D and recyclable materials from September 2013 through June 2014.
15. The facility annual report (FAR) dated July 17, 2013 was received by SWS. Tonnage received July 2012 through June 2013 is 9,353.22.
16. Vehicle scale test was conducted by Central Carolina Scale, Inc. on March 11, 2014. The scale was repaired and calibrated, zero error noted.
17. Vehicle scale test was conducted by NC Department of Agriculture & Consumer Services on February 21, 2013. A finding of zero error is noted.
18. The facility has graded Phases 1A, 2A, and 2B to final contour.
19. The landfill cap atop the final contoured phases appeared to contain adequate soil cover. Ensure erosion rills are repaired and additional grass seed sown.

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20. The facility shall cover solid waste with six-inches of soil when the waste disposal area exceeds one-half acre and at least once weekly.
21. Solid waste along the internal side slope of Phase 2A (leading into Phase 3A) required additional soil cover. During the inspection the facility covered and graded the side slope. Also, during the inspection, Solid waste located within a non-active area of Phase 3A was pushed into the working face.
22. Ensure accumulated windblown material atop the final contoured phases (along the border of Phase 1A and 2A and the external side slope of Phase 2A) is removed or covered with soil and graded accordingly.
23. The facility maintains a weekly soil cover log. The date and time (am or pm) is recorded on a wall calendar. Records were verified for January through July 8, 2014. If the facility covers material Monday through Thursday it occurs ~ 4:30 pm, Friday at ~ 1 pm, and (if in operation) Saturday at ~ 9 am. The day of the week soil cover is applied generally depends on weather conditions.
24. The landfill footprint is designated by metal stake (yellow-tipped) edge of waste markers. It is suggested that vegetation be cutback to readily view the edge of waste markers.
25. The facility shall comply with the June 11, 2014 letter from Geof Little, SWS Environmental Engineer, (w. 919-707-8252) requesting information needed to update the required financial assurance as part of the permit amendment process. As a reminder, unless otherwise approved by the Section, the approved funded trust for closure and post closure is due to be fully funded by no later than 30 days after the anniversary date of the funded trust, in this case by November 19, 2014. Therefore, it is important that the facility respond promptly to Mr. Little's request should adjustments need to be made prior to that date. The facility's inability to meet the November deadline may lead to enforcement action by the Section.
26. The facility maintains semiannual groundwater and surface water monitoring test records conducted by Joyce Engineering, Inc. and analyzed by Pace Analytical Services, Inc. Records for April 8, 2014 and October 1 & 2, 2013 were verified. An exceedance is noted for both monitoring events.
27. The following groundwater monitoring wells were observed: MW-2, 4, 6, 8, 10S, and 19S. Groundwater monitoring well MW-7 was not observed during the inspection.
28. Groundwater monitoring well MW-6 is below grade (surface water infiltration into outer casing) and did not appear to contain a well tag. Groundwater monitoring well MW-10S has a large crack in the concrete slab. Groundwater monitoring well 19S (labeled: P19S) was converted from a piezometer to groundwater well. Contact Ervin Lane – Compliance Hydrogeologist (SWS) at 919-707-8288 regarding groundwater monitoring wells MW-6 and MW-10S.
29. The facility maintains quarterly methane monitoring records. Methane monitoring is conducted by Joyce Engineering, Inc. Records for October 2, 2013 (4<sup>th</sup> quarter), January 15, 2014 (1<sup>st</sup> quarter), and April 8, 2014 (2<sup>nd</sup> quarter) were verified. Zero percent methane by volume is noted.
30. The following landfill gas probes were observed: GP-2, 3, and 4. Landfill gas probe GP-1 was not observed during the inspection.
31. The landfill gas probes observed contain a nipple with rubber boot atop. They do not contain stopcock valves or quick connect couplings. Contact Ervin Lane – Compliance Hydrogeologist (SWS) at 919-707-8288 to discuss proper landfill gas monitoring technique.
32. All groundwater monitoring wells and landfill gas probes contain steel outer casing, tag (except MW-6), lock, and concrete slab. Where a concrete slab could not be verified; Mr. Coble stated that all monitoring wells and gas probes contain a concrete slab.
33. Where necessary, ensure monitoring well and landfill gas probe concrete slabs are cleared of vegetation and accumulated soil.
34. Ensure a readily accessible unobstructed path to each groundwater monitoring well and landfill gas probe is maintained.
35. The facility has installed landfill gas (LFG) vents atop Phases 1A, 2A, and 2B.
36. Six of the landfill gas vents do not contain a 90° elbow but contain blue buckets – turned upside down. Two of the buckets have blown-off/are gone and the LFG vents are currently vertical open pipes. Contact Ervin Lane – Compliance Hydrogeologist (SWS) at 919-707-8288 regarding installation of appropriate LFG vent caps.

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37. The facility obtains soil from a borrow area in proposed Phase 7 and when available from off site.
38. The Snow Camp Volunteer Fire Department and/or the E.M. Holt Fire Department will address an emergency at the facility.
39. No windblown material was observed.
40. The facility has all-weather access roads.
41. The facility is secured by a locked gate.
42. The facility has proper signage.
43. The facility permit renewal application is currently under review.

Postconsumer Recycled Asphalt Shingles

1. The facility is permitted to conduct a postconsumer recycled asphalt shingles (PRAS) operation.
2. Segregated loads of asphalt shingles are collected for recovery.
3. The PRAS operation is located at the toe of the east side slope of Phase 2B.
4. The approved area allotted for the PRAS operation is 100' x 100'.
5. The location of the PRAS operation will migrate as the landfill expands into future phases.
6. The facility maintains records of the amount of asphalt shingles received and shipped-out. Records were verified for January 9 through July 9, 2014.
7. The PRAS operations plan states that each load received must be signed by the hauler declaring the source of the shingles. Certification forms were verified.
8. Asphalt shingles are picked-up by S.T. Wooten Corporation.
9. The PRAS operation area uses boulders as barriers. Asphalt shingles are stored atop the ground.
10. A sign is posted at the PRAS operation area, spray painted on a boulder.
11. Waste material sorted from the shingles is placed in a loader and brought to the working face at the end of each workday.
12. Brenda Coble stated that in recent months the amount of asphalt shingles received for the PRAS operation has declined substantially.

Recycled Materials Recovery

1. The facility is permitted to sort and recycle cardboard, clean wood, metals, plastic, and clean concrete and other materials identified as appropriate for recycling.
2. All recovered materials shall be stored in containers or stockpiles.
3. All non-recoverable materials in the sorting area must be properly disposed of by the end of each workday.
4. The facility operations plan states that mobile homes are deconstructed at the working face. Brenda Coble stated that within the last year no mobile homes have been received for deconstruction.
5. The facility stores scrap metal in roll-off containers.
6. The facility has a stockpile of vegetative and clean wood stored on site. Records state that there is 7,200 yd<sup>3</sup> of wood on site. Ensure only high carbon nitrogen ratio material is ground. Kent Coble stated that the wood should be ground within two months. Wood mulch is sold for boiler fuel.
7. The facility grinds engineered wood for boiler fuel. Kent Coble stated that the engineered wood mulch is stored separately from clean wood mulch. It is estimated that 200 yd<sup>3</sup> of engineered wood mulch is on site.
8. The facility has a large stockpile of concrete on site (in future Phases 4 and 5, large pile of concrete has vegetation atop). Kent Coble stated that he plans to crush concrete every few months. The amount of concrete on site is unknown.

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9. The facility operations plan states that an old land clearing and inert debris (LCID) landfill on site (in future Phase 4) is mined. The screened soil will be used as a soil amendment for cover material. Kent Coble stated that ~ half the old LCID landfill has been mined.
10. The facility has a pile of soil mixed with wood stored on site. Kent Coble stated that the soil wood mix will be screened.
11. Brenda Coble stated that the facility may want to recover sheetrock and grind it for reuse as an agricultural product/for sale.
12. The facility does not conduct a compost operation on site.
13. There is a notified LCID landfill (ID No. N0144) located on the property, adjacent to the C&D landfill. The notified LCID landfill is not currently located within future phases of the C&D landfill.
14. Ensure an adequate fire lane is maintained amidst the recycled materials recovery activities.

Temporary Disaster Debris Staging Site (TDDSS)

1. The facility has a conditionally approved temporary disaster debris staging site (TDDSS) at the landfill for C&D and vegetative debris.
2. The TDDSS number is: DS01-015.
3. Three acres are allotted for the management of vegetative debris within the undeveloped landfill future Phase 5.
4. The C&D will be placed in the landfill, managed according to facility permit, operations plan, and SWS rules.
5. The vegetative debris will be ground and removed for boiler fuel and/or sold as mulch.
6. The facility has submitted standard operating procedure (SOP) for the management of C&D and vegetative debris associated with a disaster/storm event.

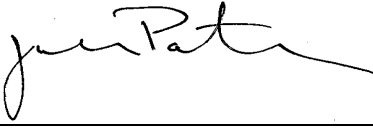
Ensure the following standard operating procedures are updated as necessary/included in the facility operations plan for the operations conducted on site:

1. Recycled materials recovery: cardboard, clean wood, metals, plastic, and clean concrete and other materials identified as appropriate for recycling.
2. Mobile home deconstruction.
3. Sheetrock recovery and grinding operation – [planned operation].
4. Land clearing debris and clean wood grinding operation.
5. Engineered wood grinding operation.
6. Concrete crushing operation.
7. Old land clearing and inert debris landfill mining operation.
8. Postconsumer recycled asphalt shingles operation.
9. Temporary disaster debris staging site.
10. Soil mixed with wood screening operation.

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Please contact me if you have any questions or concerns regarding this inspection report.



Phone: 336-771-5095 Fax: 336-771-4631

John Patrone, Environmental Senior Specialist  
Division of Waste Management, NCDENR

|                               |                                     |       |                          |               |                          |         |                         |
|-------------------------------|-------------------------------------|-------|--------------------------|---------------|--------------------------|---------|-------------------------|
| Sent on: <u>July 15, 2014</u> | <input checked="" type="checkbox"/> | Email | <input type="checkbox"/> | Hand delivery | <input type="checkbox"/> | US Mail | Certified No. <u>  </u> |
|-------------------------------|-------------------------------------|-------|--------------------------|---------------|--------------------------|---------|-------------------------|

Electronic Copies: Jason Watkins, Field Operations Branch Head - SWS  
Sarah Rice, Compliance Officer - SWS  
Geof Little, Permitting Engineer – SWS  
Ervin Lane, Compliance Hydrogeologist - SWS  
Elizabeth Werner, Permitting Hydrogeologist - SWS

Digital pictures taken July 9, 2014  
by John Patrone, DWM-SWS

Working face, Phase 3A



Soil added to side slope Phase 2A (leading into Phase 3A)



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External side slope Phases 1A and 2B (west)



LFG vent with bucket atop (representative) – repair as required



LFG probe with rubber boot – representative



MW-6 water in outer casing – repair as required



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MW-10S cracked concrete slab – repair as required



Soil borrow area



Soil mixed with wood pile – to be screened



View toward 3 acres allotted for TDDSS (future Phase 5)



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Wood grinding area



Stockpiled concrete – large pile has vegetation atop



Old LCID landfill mining operation soil screener



Phase 2B side slope (east) and PRAS operation

